

12/21/98



PATENT APPLICATION  
 COMMISSIONER OF PATENTS AND TRADEMARKS  
 Washington, D.C. 20231

Express Mail No. EL247018662US  
 Attorney Docket No. 98-027

Sir:

Transmitted herewith for filing is the patent application of:  
 Inventor : Verne C. Hornbeck and Derry1 D. J. Allman  
 For : ON-CHIP GRADED INDEX OF REFRACTION OPTICAL WAVEGUIDE  
 AND DAMASCENE METHOD OF FABRICATING THE SAME

Enclosed are:

- ☒ Specification, Claims and Abstract.  
☒ 4 Sheets of Drawings.  
☒ Combined Declaration and Power of Attorney (signed).

The filing fee has been calculated as shown below:

(Col. 1)		(Col. 2)	SMALL ENTITY		OR	OTHER THAN A SMALL ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE		RATE	FEE
BASIC FEE	//////////	//////////	/////	\$380	OR	/////	\$760
TOTAL CLAIMS	26 - 20 =	6*	X 11 =	\$	OR	X 22 =	\$132
INDEP CLAIMS	3 - 3 =	0*	x 38 =	\$	OR	x 76 =	\$
MULTIPLE DEPENDENT CLAIM PRESENTED			+120 =	\$	OR	+240 =	\$

\*If the difference in Col. 1 is less than zero, enter "0" in Col. 2

TOTAL \$ \_\_\_\_\_ OR TOTAL \$892.00

- ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_.  
 A duplicate of this sheet is attached.
- ☒ A check in the amount of \$892.00 is enclosed to cover the filing fee.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-1087. A duplicate copy of this sheet is enclosed.
- ☒ Any patent application processing fees under 37 C.F.R. 1.17.
- ☐ The issue fee set in 37 C.F.R. 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).
- ☒ Any filing fees under 37 C.F.R. 1.16 for presentation of extra claim.

Dated at Englewood, Colorado, this 21<sup>st</sup> day of December, 1998.

Respectfully submitted,

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 Registration No. 27,453  
 ATTORNEY FOR APPLICANT

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JCS40 U.S. PTO  
 09/21/183  
 12/21/98

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Attorney Docket No. 98-027  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
 )  
Verne C. Hornbeck and )  
Derryl D. J. Allman )  
 )  
Serial No. )  
 )  
Filed: Concurrently Herewith )  
 )  
For: ON-CHIP GRADED INDEX OF )  
REFRACTION OPTICAL WAVEGUIDE )  
AND DAMASCENE METHOD OF )  
FABRICATING THE SAME )

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09/217183  
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CERTIFICATE OF MAILING BY EXPRESS MAIL

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

The undersigned hereby certifies that the attached Transmittal Letter; Specification; Four (4) Sheets of Drawings; Combined Declaration and Power of Attorney for Patent Application; Certificate of Mailing by Express Mail; and Return Card, relating to the above application, were deposited as "Express Mail," Mailing Label No. EL247018662US, with the United States Postal Service, addressed to The Commissioner of Patents and Trademarks, Washington, D.C. 20231, on this 21<sup>st</sup> day of December, 1998.

12-21-98  
Date

Connie Palmer  
Mailer

12/21/98  
Date

John R. Ley  
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